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**Sent:** Tuesday, June 30, 2020 9:21 AM

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**CC:** Fielding, Daniel [daniel.fielding@aptim.com]

**Subject:** [Non-DoD Source] HPNS Parcel E Phase 1 and Phase 3 Weekly CQC Meetings

**Attachments:** D2005 CTO 0024 Project QC Meeting No. 027 Parcel E Phase 1 Agenda 2020-0630.pdf; D0006 CTO 4761 Project QC Meeting 012 Parcel E Phase 3 063020 Agenda\_Rev01.pdf

Attached are the materials for the CQC meetings.

Regards,

Kevin

**Kevin Hoch**

Quality Control Manager

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**Project QC Meeting #012 Agenda (06/30/2020)**  
Parcel E Remedial Action – Phase 3  
Hunters Point Naval Shipyard, San Francisco, CA  
Contract N62473-17-D-0006 CTO 4761

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**Call-in number:** (b) (4)

Start: 1120

End:

**Safety Topic:** July 4<sup>th</sup> Holiday

Old Business

**Submittals**

- Submittal 001 - Rebar for Seawall
  - Submitted to Navy for informational purposes only on 2/17/20
- Submittal 002 – Shoring Design
  - Approved by Navy on 03/24/20
- Submittal 003 – Slurry Mix Design
  - Approved by Navy on 02/27/20
- Submittal 004 – Import Fill (Stanford Pile)
  - Approved by Navy on 03/24/20
- Submittal 005 – Drain Rock (Virgin Source Material - Vulcan Pilarcitos Quarry in Half Moon Bay and Hanson Aggregates Sunol Quarry)
  - Approved by Navy on 03/24/20
- Submittal 006 – Rip Rap Armor Stone (Product data sheets/test reports)
  - Approved by Navy 5/18/20
- Submittal 007 – Slurry Wall Implementation Plan
  - Approved by Navy 5/18/20
- Submittal 008 – Filter Fabric Product Data
  - Submitted to Navy on 6/01/20
  - Note that product data was also submitted for informational purposes for the Geogrid Reinforcement required for armored revetment at IR02 NW (the project specs for which *do not* require government approval)
- Submittal 009 – Cone Penetrometer Testing (CPT) Investigation
  - **Awaiting final Navy approval**

New Business

**Status of Work**

- Started installation of Slurry Wall
  - Approximately 510 linear feet have been completed
- Collected pre-excavation characterization samples in EOS-4
  - EX03SH012
- UXO Construction Oversight
  - 1 item (40mm shell casing) was identified in spoils from the slurry wall bench construction
- Radiological controls and support
- Site maintenance ongoing (BMPs, fencing, etc.)

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Contract N62473-17-D-0006 CTO 4761

- Ongoing upwind and downwind continuous air monitoring, as well as work area real-time dust monitoring using personal data RAMs (pDRs)

**Analytical Results**

- No new analytical results received

**Navy QA Oversight Update**

- Biologists
- UXO
- RAD

**Visitors**

- Hamid Naimi – Navy ROICC
- Doug Delong – Navy CSO
- Jamie DelPozzo – BioMaAS
- Nina Bacey – DTSC

**Work to be accomplished the remainder of this week**

- Slurry wall installation
- Rad Controls and support
- UXO support
- Daily air monitoring
- Site maintenance (BMPs, fencing, etc.)

**Work to be accomplished in the next two weeks (See attached 2-week look ahead)**

- Large Debris Radiological Characterization as needed
- Install Slurry Wall @ IR-02
- Install Slurry Wall Cap and Surface Completions
- EOS-2; Excavate Shoreline Sediment/Soil/Debris
- Rad Controls and support
- UXO support
- Daily air monitoring
- Site maintenance (BMPs, fencing, etc.)

**Inspections**

**Preparatory**

- None

**Initial**

- None

**Follow-up**

- Dust Control and Air Monitoring
- Radiological Controls
- Topographical Survey

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- Backfill and Compaction
- Install IR02-NW Working Platform, Slurry Wall
- UXO Construction Oversight
- Initial Radiological Survey

Off-site Work or Materials Testing

- None

Additional Documentation Required

- None

QC, Production Issues

- None

Safety Issues

- All work was completed safely with no accidents or near misses reported.

Items That May Require Revising Project Plans

- None

Action Items

- None

Comments/Questions

**Current Week and Two Week Look Ahead\***

Parcel E Remedial Action – Phase 3  
Hunters Point Naval Shipyard, San Francisco, CA  
Contract N62473-17-D-0006 CTO 4761

06/29/2020 Monday	06/30/2020 Tuesday	07/01/2020 Wednesday	07/02/2020 Thursday	07/03/2020 Friday	07/04/2020 Saturday	07/05/2020 Sunday
<ul style="list-style-type: none"><li>• Install Slurry Wall @ IR-02</li><li>• Pre-characterization sampling (EOS-3)</li><li>• Rad Controls and support (all week)</li><li>• UXO support (all week)</li><li>• Air monitoring (all week)</li><li>• BMP Inspection/ site maintenance (Daily)</li></ul>	<ul style="list-style-type: none"><li>• Weekly CQC Meeting</li><li>• Install Slurry Wall @ IR-02</li></ul>	<ul style="list-style-type: none"><li>• Install Slurry Wall @ IR-02</li></ul>	<ul style="list-style-type: none"><li>• Install Slurry Wall @ IR-02</li></ul>	<ul style="list-style-type: none"><li>• Independence Day observed, no fieldwork planned</li></ul>	No fieldwork	No fieldwork
07/06/2020 Monday	07/07/2020 Tuesday	07/08/2020 Wednesday	07/09/2020 Thursday	07/10/2020 Friday	07/11/2020 Saturday	07/12/2020 Sunday
<ul style="list-style-type: none"><li>• Install Slurry Wall @ IR-02</li><li>• Rad Controls and support (all week)</li><li>• UXO support (all week)</li><li>• Air monitoring (all week)</li><li>• BMP Inspection/ site maintenance (Daily)</li></ul>	<ul style="list-style-type: none"><li>• Weekly CQC Meeting</li><li>• Install Slurry Wall @ IR-02</li></ul>	<ul style="list-style-type: none"><li>• Large Debris Radiological Screening in EOS-1, EOS-2, &amp; EOS-4</li><li>• Install Slurry Wall @ IR-02</li><li>• EOS-2 Excavate Shoreline Sediment/Soil/Debris</li></ul>	<ul style="list-style-type: none"><li>• Large Debris Radiological Screening in EOS-1, EOS-2, &amp; EOS-4</li><li>• Install Slurry Wall @ IR-02</li><li>• EOS-2 Excavate Shoreline Sediment/Soil/Debris</li></ul>	<ul style="list-style-type: none"><li>• Large Debris Radiological Screening in EOS-1, EOS-2, &amp; EOS-4</li><li>• Install Slurry Wall Cap &amp; Surface Completions</li><li>• EOS-2 Excavate Shoreline Sediment/Soil/Debris</li></ul>	No fieldwork	No fieldwork
07/13/2020 Monday	07/14/2020 Tuesday	07/15/2020 Wednesday	07/16/2020 Thursday	07/17/2020 Friday	07/18/2020 Saturday	07/19/2020 Sunday
<ul style="list-style-type: none"><li>• Large Debris Radiological Screening in EOS-1, EOS-2, &amp; EOS-4</li><li>• Install Slurry Wall Cap &amp; Surface Completions</li><li>• EOS-2 Excavate Shoreline Sediment/Soil/Debris</li><li>• Rad Controls and support (all week)</li><li>• UXO support (all week)</li><li>• Air monitoring (all week)</li><li>• BMP Inspection/ site maintenance (Daily)</li></ul>	<ul style="list-style-type: none"><li>• Weekly CQC Meeting</li><li>• Large Debris Radiological Screening in EOS-1, EOS-2, &amp; EOS-4</li><li>• Install Slurry Wall Cap &amp; Surface Completions</li><li>• EOS-2 Excavate Shoreline Sediment/Soil/Debris</li></ul>	<ul style="list-style-type: none"><li>• Large Debris Radiological Screening in EOS-1, EOS-2, &amp; EOS-4</li><li>• Install Slurry Wall Cap &amp; Surface Completions</li><li>• EOS-2 Excavate Shoreline Sediment/Soil/Debris</li><li>• Remove Surface Debris Along Shoreline (EOS-2/EOS-3)</li></ul>	<ul style="list-style-type: none"><li>• Large Debris Radiological Screening in EOS-1, EOS-2, &amp; EOS-4</li><li>• Install Slurry Wall Cap &amp; Surface Completions</li><li>• EOS-2 Excavate Shoreline Sediment/Soil/Debris</li><li>• Remove Surface Debris Along Shoreline (EOS-2/EOS-3)</li></ul>	<ul style="list-style-type: none"><li>• Large Debris Radiological Screening in EOS-1, EOS-2, &amp; EOS-4</li><li>• EOS-2 Excavate Shoreline Sediment/Soil/Debris</li><li>• Demob slurry wall batch plant and equipment</li></ul>	No fieldwork	No fieldwork

\*Subject to change based on field conditions

**Project QC Meeting #027 Agenda (06/30/2020)**  
Parcel E Remedial Action – Phase 1  
Hunters Point Naval Shipyard, San Francisco, CA  
Contract N62473-12-D-2005 CTO 0024

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**Call-in number:** (b) (4)

Start: 1100

End:

**Safety Topic:** July 4<sup>th</sup> Holiday

Old Business

**Field Change Requests (FCR)**

- 001: Existing SS/SD lines in RA excavations – Navy Approved (05/01/20)
- 002: ISO-Pacific Soil Sorting System (S3) Proof of Concept Demonstration.
  - Approval was received by APTIM on 12/31.
- 003: Former SS/SD trenches in RA excavations - **In Navy review**
- 004: Excavation Dewatering - Navy approved 3/12
- 005: Addition of back-up laboratory (Enthalpy) to expedite TAT –Navy RPM approved 3/12/2020. SAP addendum (FCR) submitted 3/13/2020 to QAO. 4/17/20 – canceled as Enthalpy lab closed (permanently out of business)
- 006: Impacts of the radiological rework areas on non-excavation, intrusive RA activities (i.e. well installation/decommissioning, GW injections, and soil gas surveys). APTIM prepared draft FCR; but on hold as need Navy to confirm extent of rework areas and potential limitations to planned Phase 1 RA work outside of IR-02 to identify impacts. – **on hold**

**Submittals**

- Submittal 001 – Import Fill (Stanford Pile)
  - Approved by Navy on 12/19/19; CDPH 01-08-2020
- Submittal 002 – Drain Rock (Virgin Source Material - Vulcan Pilarcitos Quarry in Half Moon Bay and Hanson Aggregates Sunol Quarry)
  - Approved by Navy on 02-27-2020

New Business

**Status of Work**

- Continued transferring soil to stockpiles and screening to 2-inch minus with PowerScreen
- Completed excavations EX02B122C, EX02B122, EX02B288, EX02GR131
  - Numerous LLROs were found in EX02B122 and EX02B288
  - One MDAS was found in EX02B288 (40mm shell casing)
  - Collected confirmation samples
- Started excavation EX02B428
- Collected pre-excavation characterization samples in ESO-4; excavation locations EX02B369 and EX02B505
- Conducted over-excavations at EX02GR93SW, EX02B401, and EX02B100
  - Collected confirmation samples
- Started S3 Proof-of-Concept Demonstration
- Redeployed turbidity curtain
- PRSO escorted Nina Bacey (DTSC) on site visit
- Site maintenance (BMPs, fencing, etc.)
- Sanitized all equipment daily

**Project QC Meeting #027 Agenda (06/30/2020)**  
Parcel E Remedial Action – Phase 1  
Hunters Point Naval Shipyard, San Francisco, CA  
Contract N62473-12-D-2005 CTO 0024

- Conducted upwind and downwind continuous air monitoring as well as work area real-time dust monitoring using personal data RAMs (PDRs).

**Analytical Results**

- No new results received

**Navy QA Oversight Update**

- Biologists
- UXO
- RAD

**Visitors**

- Hamid Naimi – Navy ROICC
- Doug Delong – Navy CSO
- Jamie DelPozzo – BioMaAS
- Nina Bacey – DTSC

**Work to be accomplished the remainder of this week**

- Complete excavations EX02GR131SW, EX02B428, EX02B428, EX02GR117SW, and EX02B524
- Continue screening excavated soil to remove smaller debris
- Conduct post-excavation sampling
- Continue S3 Proof-of-Concept Demonstration with RSY Pad Screening
- Waste stockpiling
- Air monitoring, site maintenance (BMPs, fencing, etc.)

**Work to be accomplished in the next two weeks (See attached current plus 3-week look ahead)**

- Continue excavations in EOS-01/ESO-4
- Conduct backfilling of excavations as appropriate
- Screen excavated soil to remove smaller debris
- Continue S3 proof of concept with RSY pad screening
- Load, place and scan soil on RSY Pads
- Conduct upwind and downwind continuous air monitoring as well as work area real-time dust monitoring using personal data RAMs (PDRs).
- Site maintenance (BMPs, fencing, etc.)

Inspections

**Preparatory**

- None

**Project QC Meeting #027 Agenda (06/30/2020)**  
Parcel E Remedial Action – Phase 1  
Hunters Point Naval Shipyard, San Francisco, CA  
Contract N62473-12-D-2005 CTO 0024

**Initial**

- None

**Follow-up**

- Dust Control and Air Monitoring
- Radiological Controls
- UXO Construction Oversight
- Soil Excavations
- Confirmation Sampling

Off-site Work or Materials Testing

- None

Additional Documentation Required

- None

QC, Production Issues

- None

Safety Issues

- All work was completed safely with no accidents or near misses reported.

Items That May Require Revising Project Plans

- None

Action Items

Comments/Questions



**Current Week and Two Week Look Ahead\***

Parcel E Remedial Action – Phase 1  
 Hunters Point Naval Shipyard, San Francisco, CA  
 Contract N62473-12-D-0005 CTO 0024

06/29/2020 Monday	06/30/2020 Tuesday	07/01/2020 Wednesday	07/02/2020 Thursday	07/03/2020 Friday	07/04/2020 Saturday	07/05/2020 Sunday
<ul style="list-style-type: none"> <li>Complete excavations:                             <ul style="list-style-type: none"> <li>EX02B122</li> <li>EX02B288</li> </ul> </li> <li>Start excavations:                             <ul style="list-style-type: none"> <li>EX02GR131SW</li> <li>EX02B428</li> </ul> </li> <li>Post excavation sampling</li> <li>Waste stockpiling</li> <li>Collect pre-excavation characterization samples</li> <li>Rad Controls and support (all week)</li> <li>UXO support (all week)</li> <li>Air monitoring (all week)</li> <li>BMP Inspection/site maintenance (Daily)</li> <li>Screen Excavated Soil</li> <li>Load, Place, &amp; Scan Soil on RSY Pads</li> <li>S3 Proof-of-Concept Demonstration with RSY Pad Screening</li> </ul>	<ul style="list-style-type: none"> <li>Weekly CQC Meeting</li> <li>Continue excavations:                             <ul style="list-style-type: none"> <li>EX02B428</li> </ul> </li> <li>Start excavations:                             <ul style="list-style-type: none"> <li>EX02GR117SW</li> <li>EX02B524</li> </ul> </li> <li>Conduct over-excavations:                             <ul style="list-style-type: none"> <li>EX02GR93SW</li> <li>EX02B401</li> <li>EX02B100</li> </ul> </li> <li>Post excavation sampling</li> <li>Waste stockpiling</li> <li>Screen Excavated Soil</li> <li>Load, Place, &amp; Scan Soil on RSY Pads</li> <li>S3 Proof-of-Concept Demonstration with RSY Pad Screening</li> </ul>	<ul style="list-style-type: none"> <li>Continue excavations: EOS-1 (ESS/RAD)</li> <li>Post excavation sampling</li> <li>Waste stockpiling</li> <li>Screen Excavated Soil</li> <li>Load, Place, &amp; Scan Soil on RSY Pads</li> <li>S3 Proof-of-Concept Demonstration with RSY Pad Screening</li> </ul>	<ul style="list-style-type: none"> <li>Continue excavations: EOS-1 (ESS/RAD)</li> <li>Post excavation sampling</li> <li>Waste stockpiling</li> <li>Screen Excavated Soil</li> <li>Load, Place, &amp; Scan Soil on RSY Pads</li> <li>S3 Proof-of-Concept Demonstration with RSY Pad Screening</li> </ul>	Independence Day observed, no fieldwork is planned	No fieldwork	No fieldwork
07/06/2020 Monday	07/07/2020 Tuesday	07/08/2020 Wednesday	07/09/2020 Thursday	07/10/2020 Friday	07/11/2020 Saturday	07/12/2020 Sunday
<ul style="list-style-type: none"> <li>Continue excavations: EOS-1 (ESS/RAD)</li> <li>Post excavation sampling</li> <li>Waste stockpiling</li> <li>Rad Controls and support (all week)</li> <li>UXO support (all week)</li> <li>Air monitoring (all week)</li> <li>BMP Inspection/site maintenance (Daily)</li> <li>Screen Excavated Soil</li> <li>Load, Place, &amp; Scan Soil on RSY Pads</li> </ul>	<ul style="list-style-type: none"> <li>Weekly CQC Meeting</li> <li>Pre-Excavation GWS (EOS-4)</li> <li>Mobilize to EOS-4</li> <li>Screen Excavated Soil</li> <li>Load, Place, &amp; Scan Soil on RSY Pads</li> </ul>	<ul style="list-style-type: none"> <li>Conduct excavations EOS-4</li> <li>Post excavation sampling</li> <li>Waste stockpiling</li> <li>Screen Excavated Soil</li> <li>Load, Place, &amp; Scan Soil on RSY Pads</li> </ul>	<ul style="list-style-type: none"> <li>Conduct excavations EOS-4</li> <li>Post excavation sampling</li> <li>Waste stockpiling</li> <li>Screen Excavated Soil</li> <li>Load, Place, &amp; Scan Soil on RSY Pads</li> </ul>	<ul style="list-style-type: none"> <li>Conduct excavations EOS-4</li> <li>Post excavation sampling</li> <li>Waste stockpiling</li> <li>Screen Excavated Soil</li> <li>Load, Place, &amp; Scan Soil on RSY Pads</li> </ul>	No fieldwork	No fieldwork
07/13/2020 Monday	07/14/2020 Tuesday	07/15/2020 Wednesday	07/16/2020 Thursday	07/17/2020 Friday	07/18/2020 Saturday	07/19/2020 Sunday
<ul style="list-style-type: none"> <li>Conduct excavations EOS-4</li> <li>Post excavation sampling</li> <li>Waste stockpiling</li> <li>Rad Controls and support (all week)</li> <li>UXO support (all week)</li> <li>Air monitoring (all week)</li> <li>BMP Inspection/site maintenance (Daily)</li> <li>Screen Excavated Soil</li> <li>Load, Place, &amp; Scan Soil on RSY Pads</li> </ul>	<ul style="list-style-type: none"> <li>Weekly CQC Meeting</li> <li>Conduct excavations EOS-4</li> <li>Screen Excavated Soil</li> <li>Load, Place, &amp; Scan Soil on RSY Pads</li> </ul>	<ul style="list-style-type: none"> <li>Conduct excavations EOS-4</li> <li>Post excavation sampling</li> <li>Waste stockpiling</li> <li>Screen Excavated Soil</li> <li>Load, Place, &amp; Scan Soil on RSY Pads</li> </ul>	<ul style="list-style-type: none"> <li>Conduct excavations EOS-4</li> <li>Post excavation sampling</li> <li>Waste stockpiling</li> <li>Screen Excavated Soil</li> <li>Load, Place, &amp; Scan Soil on RSY Pads</li> </ul>	<ul style="list-style-type: none"> <li>Conduct excavations EOS-4</li> <li>Post excavation sampling</li> <li>Waste stockpiling</li> <li>Screen Excavated Soil</li> <li>Load, Place, &amp; Scan Soil on RSY Pads</li> </ul>	No fieldwork	No fieldwork

\*Subject to change based on field conditions